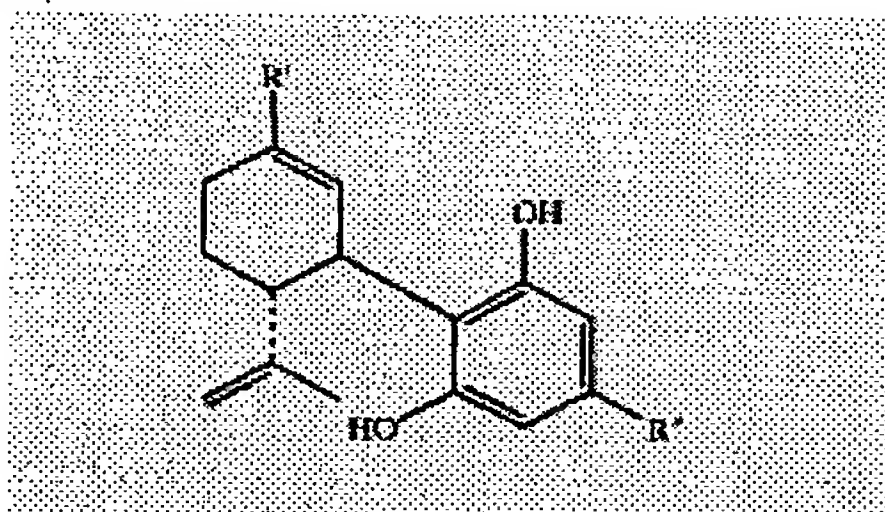


WHAT IS CLAIMED IS:

1. Use of a cannabidiol for the manufacture of a medicament identified for the treatment or prevention of diabetes.

2. The use of claim 1, wherein said cannabidiol comprises a compound having the general formula:



(I)

wherein R' is alkyl, COOH or CH₂OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR''', where R''' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH₂)_n-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

3. The use of claim 2, wherein R' is CH₃ and R'' is a straight alkyl having 5 carbon atoms (C₅H₁₁).

4. The use of claim 1, wherein said cannabidiol comprises a natural cannabidiol.

5. The use of claim 4, wherein said natural cannabidiol is extracted from Cannabis.

6. The use of claim 1, wherein said diabetes is a type I diabetes.

7. The use of claim 1, wherein said diabetes is a type II diabetes.

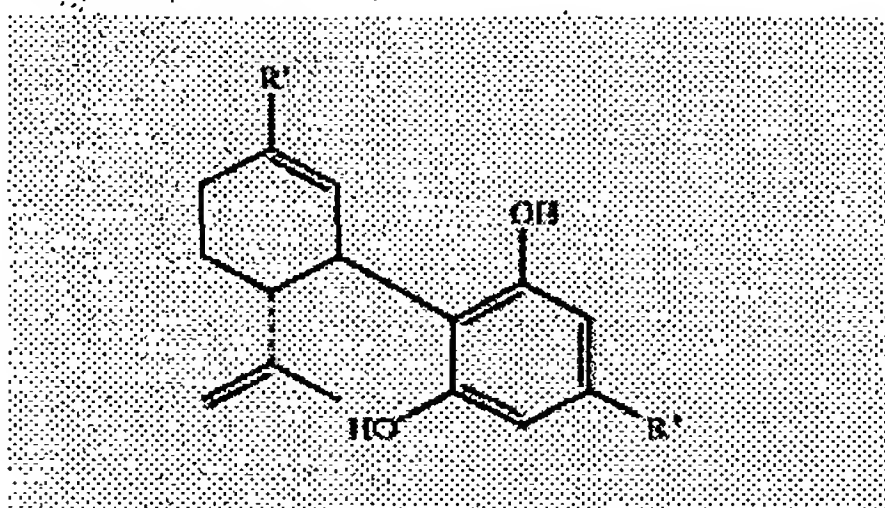
8. The use of claim 1, wherein said medicament is formulated for parenteral administration.

9. The use of claim 1, wherein said medicament is formulated for oral administration.

10. The use of claim 1, wherein said medicament is formulated for transdermal administration.

11. Use of a cannabidiol for the manufacture of a medicament identified for the treatment or prevention of insulinitis.

12. The use of claim 11, wherein said cannabidiol comprises a compound having the general formula:



(I)

wherein R' is alkyl, COOH or CH₂OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR''', where R''' is straight or branched alkyl having 5 to 9 carbon atoms, or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH₂)_n-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

13. The use of claim 12, wherein R' is CH₃ and R'' is a straight alkyl having 5 carbon atoms (C₅H₁₁).

14. The use of claim 11, wherein said cannabidiol comprises a natural cannabidiol.

15. The use of claim 14, wherein said natural cannabidiol is extracted from Cannabis.

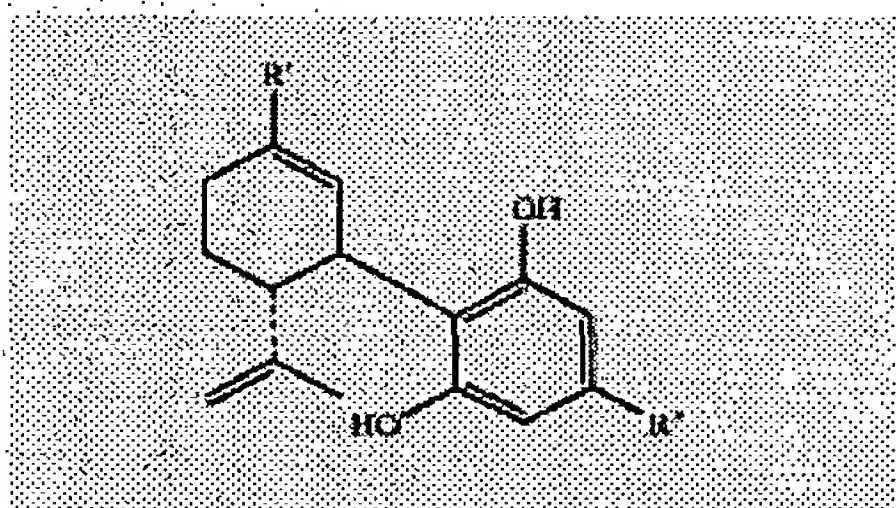
16. The use of claim 11, wherein said medicament is formulated for parenteral administration..

17. The use of claim 11, wherein said medicament is formulated for oral administration.

18. The use of claim 11, wherein said medicament is formulated for transdermal administration.

19. Use of a cannabidiol for the manufacture of a medicament for prolonging survival of transplanted pancreatic cells.

20. The use of claim 19, wherein said cannabidiol comprises a compound having the general formula:



(I)

wherein R' is alkyl, COOH or CH₂OH; and

R'' is selected from the group consisting of a straight or branched alkyl having 5 to 12 carbon atoms; an -OR''', where R''' is straight or branched alkyl having 5 to 9 carbon atoms; or a straight or branched alkyl substituted at the terminal carbon atom by a phenyl group; and a -(CH₂)_n-O-alkyl group, where n is an integer from 1 to 7 and the alkyl group has 1 to 5 carbon atoms.

21. The use of claim 20, wherein R' is CH₃ and R'' is a straight alkyl having 5 carbon atoms (C₅H₁₁).

22. The use of claim 1, wherein said cannabidiol comprises a natural cannabidiol.

23. The use of claim 4, wherein said natural cannabidiol is extracted from Cannabis.